REMARKS

The Final Office Action, mailed May 16, 2007, considered claims 1, 3–15, 25 and 27–37. Claims 3–6 and 27–29 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 1, 3–15, 25, and 27–37 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Chan et al., U.S. Patent No. 6,799,718 (filed Jul. 10, 2002) (hereinafter Chan), in view of Bodreau, et al., *NetBeans: The Definitive Guide* p. 1–12, (O'Reilly, October 2002) (hereinafter NetBeans), available (for cost) at http://proquest.safaribooksonline.com/0596002807.[1]

By this response, claims 1, 3–4, 6, 9, 25, 27–29, and 38 are amended. Claim 38 has been newly presented. Claims 1, 3–15, 25, and 27–38 remain pending. Claims 1, 25, 32, and 38 are independent claims which remain at issue. Support for the amendments may be found within Specification ¶¶ 11 & 49–53.[2]

As reflected in the claims, the present invention is directed generally toward enabling the editing of multilanguage documents while providing the advanced editing functionality of secondary editors without requiring a programmer to explicitly open and interface with the secondary editors. Claim 1 recites, for instance, in combination with all the elements of the claim, a method permitting a user to edit a multilanguage document having code segments written in a primary language and in one or more secondary languages. The method includes displaying a multilanguage document in a primary application view of a primary editor. Code segments in the document are identified which are written in the primary language and at least one secondary language. A primary editor maps each code segment identified in the multilanguage document. Code segments in the primary language may be edited within the primary editor. A code segment written in a secondary language is sent to a corresponding secondary editor. Based upon the position of a mouse prompt and upon the mapping of each code segment identified in the multilanguage document, secondary editor menus are displayed

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[1] Although the prior art status of the cited art is not being challenged at this time, Applicants reserve the right to challenge the prior art status of the cited art at any appropriate time, should it arise. Accordingly, any arguments and amendments made herein should not be construed as acquiescing to any prior art status of the cited art.

[2] However, it should be noted that the present invention and claims as recited take support from the entire Specification. As such, no particular part of the Specification should be considered separately from the entirety of the Specification.

within the primary application view with the secondary editor menus comprising context help menus, navigation menus, and validation menus. The code segment written in the secondary language is edited through interaction with the corresponding secondary editor. The multilanguage document, including the edits made to the code segment written in the secondary language, is displayed within the primary application view.

Claim 25 is a computer program product of the method of claim 1. Claim 32 is a computer program product of the method of claim 9 which, as discussed below, is similar to the method of claim 1 but comprising additional elements and limitations. Claim 38 is a newly presented claim which is a system embodiment of the method of claim 1.

Claims 3–6 and 27–29 were rejected under 35 U.S.C. § 112 as being indefinite for reciting dependence upon incorrect claims. Each of the claims has now be appropriately amended to reflect the correct dependency. Accordingly, it is respectively requested the rejections under 35 U.S.C. § 112 be withdrawn.

The independent claims 1, 9, 25, and 32 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Chan in view of NetBeans.[3] The Applicants submit, however, that Chan and NetBeans, both separately and in combination, fail to teach or suggest each and every element of the independent claims as now amended.

In particular, claim 1 has been amended to include the elements and limitations of the primary editor mapping each code segment identified in the multilanguage document, and, based upon the position of a mouse prompt and upon the mapping of each code segment identified in the multilanguage document, displaying secondary editor menus within the primary application view with the secondary editor menus comprising context help menus, navigation menus, and validation menus.[4] Chan and NetBeans, both separately and in combination, fail to teach or suggest the primary editor mapping each code segment identified in the multilanguage document. Further, Chan and NetBeans, both separately and in combination, fail to teach or suggest based upon the position of a mouse prompt and upon the mapping of each code segment identified in the multilanguage document, displaying secondary editor menus within the primary

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[3] Office Communication p. 3 (paper no. 20070508) (May 16, 2007).
[4] It may also be noted that limitations added to the claims by previous amendments have now been removed.

application view, the secondary editor menus comprising context help menus, navigation menus, and validation menus.[5]

In consideration of the present amendments, the Applicants submit that claim 1 is now in condition for allowance. Accordingly, the Applicants respectfully request favorable reconsideration.

Claim 9 was also rejected under 35 U.S.C. § 103(a) as being unpatentable over Chan in view of NetBeans.[6] Previously independent claim 9 has now been amended to be a dependent claim comprising the method of claim 1 and further comprising the limitations identifying whether the at least one other code segment written in a secondary programming language is a complete code segment, and when not, supplementing the at least one other code segment with additional data necessary to create complete source code for the at least one other code segment so that it can be recognized and edited by the secondary editor having advanced editing functionality for the language of the at least one other code segment and having editing functionality not available within the primary editor; and the primary editor modifying the primary application view of the multilanguage document to accommodate the advanced editing functionality and the editing functionality not available within the primary editor provided by the secondary editor as to the at least one other code segment in the secondary language. As claim 1 should now be in condition for allowance, so should dependent claim 9. Accordingly, the Applicants respectfully request favorable reconsideration of claim 9.

Claims 25 and 32 are computer program product embodiments of the methods of claims 1 and 9, respectively. As claims 1 and 9 should be in condition for allowance, so should claims 25 and 32. Accordingly, the Applicants respectfully request favorable reconsideration of claims 25 and 32.

Claim 38 is a newly presented claim and is a computing system embodiment of the method recited in claim 1. As claim 1 should be in condition for allowance, so should claim 38. Accordingly, the Applicants respectfully request allowance be issued for claim 38.

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[5] Notably, the Examiner has cited to Chan item 13 (Fig's 1 & 2) as a "completion assistance menu." However, although Chan discloses "completion assistance;" col. 5 l. 28–29; Chan nowhere discusses or discloses a menu. Further, both Chan and NetBeans fail to teach or suggest context help menus, navigation menus, and validation menus.

[6] Office Comm. p. 3.

In view of the foregoing, Applicants respectfully submit that the other rejections to the independent claims are now moot and do not, therefore, need to be addressed individually at this time. It will be appreciated, however, that this should not be construed as Applicants acquiescing to any of the purported teachings or assertions made in the last action regarding the cited art or the pending application, including any official notice. Instead, Applicants reserve the right to challenge any of the purported teachings or assertions made in the last action at any appropriate time in the future, should the need arise. Furthermore, to the extent that the Examiner has relied on any Official Notice, explicitly or implicitly, Applicants specifically request that the Examiner provide references supporting the teachings officially noticed, as well as the required motivation or suggestion to combine the relied upon notice with the other art of record.

In the event that the Examiner finds remaining impediment to a prompt allowance of this application that may be clarified through a telephone interview, the Examiner is requested to contact the undersigned attorney at 801-533-9800.

Dated this 16th day of July, 2007.

Respectfully submitted,

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